

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561, 143  
Source: IFWP  
Date Processed by STIC: 12/30/2005

# ***ENTERED***



1FWP

## RAW SEQUENCE LISTING

DATE: 12/30/2005

PATENT APPLICATION: US/10/561,143

TIME: 09:22:06

Input Set : A:\Untitled.ST25.txt

Output Set: N:\CRF4\12302005\J561143.raw

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3 <110> APPLICANT: Peter Christian MORRIS
4      Yvonne STAHL
6 <120> TITLE OF INVENTION: Limit Dextrinase Inhibitor Promoter
8 <130> FILE REFERENCE: 13101/49202
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/561,143
C--> 11 <141> CURRENT FILING DATE: 2005-12-16
13 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/002589
W--> 14 <150> PRIOR APPLICATION NUMBER: 17-JUN-2004
W--> 16 <150> PRIOR APPLICATION NUMBER: GB 0313995.3
W--> 17 <151> PRIOR FILING DATE: 17-JUN-2003
20 <160> NUMBER OF SEQ ID NOS: 9
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 833
26 <212> TYPE: DNA
27 <213> ORGANISM: Hordeum vulgare
29 <400> SEQUENCE: 1
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32 atcataaact tgttttttca ccgacaaaat attgctcctc catttcgcat taaaattgtc      120
34 aagcatgctt gcaacagtaa cacgaacatt cataaaaaaa atatttttta agaaaacatt      180
36 tactattttt ttgttactat tcatctggga gcatgtgctt ccggaagcca aaatgccct      240
38 tccaatatgc cccgtgtaaa agaaaccctt tctttcctaa aaatatatat catcgctcgt      300
40 catgatacgt ttatgtattc aacgaaaaat attttcgcgt gtcacaaaaa atgttttata      360
42 ttacacaagt gaacaaatat gataaactcc ctctgtgtta ctattttttc tgtgaaataa      420
44 aaggatgaca atcaaaacaa aaatgtagac tgtaaacaaa gaaaacatta tttcctagaa      480
46 ataaaaaaaa agattagagg gatattgtatt gtcgaaacac atgaggacta gaacaaaaga      540
48 aaaagggaaa tgagaaggaa aaaaggggta accattacc aaagaaaaca gaaagtaaac      600
50 tagacgtgtc gaaggggaaac ggagtttgca ggggcgttcc aaattcagtt gcaagaacct      660
52 ccaaataaac gccacaaga aagaaatgag cattacttgc gcgctttgca ctcttatctc      720
54 tagcatctcc cgatacatat atacatgtag cctagctgca gatcttgaat agctattctt      780
56 gccaccagg ccaagagatt gaaccaacga ccaataaact agtatcaaca atg      833
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 517
61 <212> TYPE: DNA
62 <213> ORGANISM: Hordeum vulgare
65 <220> FEATURE:
66 <221> NAME/KEY: CDS
67 <222> LOCATION: (14)..(457)
69 <400> SEQUENCE: 2
70 actagtatca aca atg gca tcc gac cat cgt cgc ttc gtc ctc tcc ggc      49
71      Met Ala Ser Asp His Arg Arg Phe Val Leu Ser Gly
72      1              5              10
74 gcc gtc ttg ctc tcg gtc ctc gcc gtc gcc gcc gcc acc ctg gag agc      97

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75 Ala Val Leu Leu Ser Val Leu Ala Val Ala Ala Ala Thr Leu Glu Ser
76          15          20          25
78 gtc aag gac gag tgc caa cca ggg gtg gac ttc ccg cat aac ccg tta      145
79 Val Lys Asp Glu Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu
80      30          35          40
82 gcc acc tgc cac acc tac gtg ata aaa cgg gtc tgc ggc cgc ggt ccc      193
83 Ala Thr Cys His Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro
84 45          50          55          60
86 agc cgg ccc atg ctg gtg aag gag cgg tgc tgc cgg gag ctg gcg gcc      241
87 Ser Arg Pro Met Leu Val Lys Glu Arg Cys Arg Glu Leu Ala Ala
88          65          70          75
90 gtc ccg gat cac tgc cgg tgc gag gcg ctg cgc atc ctc atg gac ggg      289
91 Val Pro Asp His Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly
92          80          85          90
94 gtg cgc acg ccg gag ggc cgc gtg gtt gag gga cgg ctc ggt gac agg      337
95 Val Arg Thr Pro Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg
96          95          100          105
98 cgt gac tgc ccg agg gag gag cag agg gcg ttc gcc gcc acg ctt gtc      385
99 Arg Asp Cys Pro Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val
100      110          115          120
102 acg gcg gcg gag tgc aac cta tgc tcc gtc cag gag ccg gga gta cgc      433
103 Thr Ala Ala Glu Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg
104 125          130          135          140
106 ttg gtg cta ctg gca gat gga tga cgatcgaaat gcgccaaggt aatgaagcgg      487
107 Leu Val Leu Leu Ala Asp Gly
108          145
110 agtactgtat acagaataaaa agtactcgag      517
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114 <211> LENGTH: 147
115 <212> TYPE: PRT
116 <213> ORGANISM: Hordeum vulgare
118 <400> SEQUENCE: 3
120 Met Ala Ser Asp His Arg Arg Phe Val Leu Ser Gly Ala Val Leu Leu
121 1          5          10          15
124 Ser Val Leu Ala Val Ala Ala Ala Thr Leu Glu Ser Val Lys Asp Glu
125          20          25          30
128 Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu Ala Thr Cys His
129          35          40          45
132 Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro Ser Arg Pro Met
133          50          55          60
136 Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala Val Pro Asp His
137 65          70          75          80
140 Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly Val Arg Thr Pro
141          85          90          95
144 Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg Arg Asp Cys Pro
145          100          105          110
148 Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val Thr Ala Ala Glu
149          115          120          125
152 Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg Leu Val Leu Leu

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153      130      135      140
156 Ala Asp Gly
157 145
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161 <211> LENGTH: 35
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
168 <400> SEQUENCE: 4
169 accaataaac tagtatcaac aatggcatcc gacca 35
172 <210> SEQ ID NO: 5
173 <211> LENGTH: 29
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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182 ccaacctttt ttattcatca atcggccac 29
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186 <211> LENGTH: 22
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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197 <210> SEQ ID NO: 7
198 <211> LENGTH: 26
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
205 <400> SEQUENCE: 7
206 agaccggttt tatcacgtag gtgtgg 26
209 <210> SEQ ID NO: 8
210 <211> LENGTH: 19
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
217 <400> SEQUENCE: 8
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221 <210> SEQ ID NO: 9
222 <211> LENGTH: 26
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer

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229 &lt;400&gt; SEQUENCE: 9

230 agacggcgcc ggagaggacg aagcga

26

**VERIFICATION SUMMARY**

DATE: 12/30/2005

PATENT APPLICATION: US/10/561,143

TIME: 09:22:07

Input Set : A:\Untitled.ST25.txt

Output Set: N:\CRF4\12302005\J561143.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:14 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE

L:16 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE

L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD